

Oil Field Environmental Incident Summary

Incident: 20140910212828 **Date/Time of Notice:** 09/10/2014 21:28
Responsible Party: MUREX PETROLEUM CORPORATION
Well Operator: MUREX PETROLEUM CORPORATION
Well Name: CHERYL KIM 24-13H
Field Name: LONESOME **Well File #:** 23228
Date Incident: 9/10/2014 **Time Incident:** 07:30 **Facility ID Number:**
County: MCKENZIE **Twp:** 151 **Rng:** 102 **Sec:** 24 **Qtr:** SW SE
Location Description:

Submitted By: William Jansky **Received By:**
Contact Person: Shannon Holter
363 N. Sam Houston Pkwy. E.
Suite 200
HOUSTON, TX 77060

General Land Use: Cultivated **Affected Medium:** Topsoil

Distance Nearest Occupied Building: 2600 Feet

Distance Nearest Water Well:

Type of Incident: Valve/Piping Connection Leak

Release Contained in Dike: No	Reported to NRC: No																
<table><tr><td>Spilled</td><td>Units</td><td>Recovered</td><td>Units</td></tr><tr><td>Oil</td><td>75</td><td>70</td><td></td></tr><tr><td></td><td>Barrels</td><td></td><td>Barrels</td></tr></table>	Spilled	Units	Recovered	Units	Oil	75	70			Barrels		Barrels	<table><tr><td>Followup</td><td>Units</td></tr><tr><td></td><td></td></tr></table>	Followup	Units		
Spilled	Units	Recovered	Units														
Oil	75	70															
	Barrels		Barrels														
Followup	Units																

Brine

Other

Description of Other Released Contaminant:

Inspected: **Written Report Received:** **Clean Up Concluded:**

Risk Evaluation:

Minimal. No wetlands or waters in immediate area

Areal Extent:

Area effected 60 yards wide and 147 yards long

Potential Environmental Impacts:

Impact to soil, and runoff from rain

Action Taken or Planned:

Large scale in situ bioremediation of effected area/impacted soil.

Wastes Disposal Location: Oil was put back into production tank.

Agencies Involved: North Dakota Health Dept-Scott Stockdill

Updates

Date: 9/11/2014 **Status:** Inspection

Author: Cooper, Mike

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

The weather was 45°F, clear, with wind from the south 0-5 mph. A half-inch valve broke on a pumping unit inside of the berm. The spray covered a majority of the topsoil and equipment inside of the berm, immediately around the pump, and to the south. In discussion with site contact, contact indicated that they would like to try a bioremediation product, with periodic testing in the following months. He will be sending a plan into the NDDoH shortly. More followup is needed.

Date: 9/11/2014 **Status:** Reviewed - Follow-up Required

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

According to the incident summary, this spill impacted the surrounding location. Followup is necessary.

Date: 9/17/2014 **Status:** Inspection

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location 9/17/2014.

Company proposed a cleanup plan that involves the use of a biological remediation aid. After taking a look at the site, it is apparent that some excavation of impacted soils will need to be done in the heaviest hit places. These areas were flagged for the company to be able to discern the areas that need to be excavated.

The impacted material will be excavated and stockpiled on the well location within proper containment. It will then have a biological remediation techniques applied and will be routinely tested until it meets clean standards at which point it will be used as fill where the impacted soil was removed.

More follow up is necessary to monitor the effects of the remediation process.

Date: 6/3/2015 **Status:** Inspection

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

I arrived at the site at 14:00 p.m. The weather was clear, 66°F, with the wind from the north east 5-10 mph. There is still a large area of field that is brown from the impact. The farmer has seeded the field, and it appears the impacted area was seeded. The heavily impacted area has flags. The sprayed area closer to the highway has crop growing. More followup needed. 47.87799; - 103.62288

Date: 4/11/2016 **Status:** Inspection

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

I arrived at the site 3:50 p.m. Weather was sunny, 43°F, with wind from the southeast 5-10 mph. There is still a small 10- X 20-foot impacted area next to the well pad just west of the north end of tanks. A little further southwest of this area is another 30- by 100-foot area that has weeds growing that were not harvested. From this point to the fence line, the area has stubble that was harvested. More follow-up needed.